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| <b>PATENT APPLICATION FEE DETERMINATION RECORD</b>                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |                                  |       |                                    |               | Application or Docket Number<br><b>09/762297</b> |                |                               |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------|-------|------------------------------------|---------------|--------------------------------------------------|----------------|-------------------------------|----------------|
| Substitute for Form PTO-875                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 |                                  |       |                                    |               |                                                  |                |                               |                |
| <b>CLAIMS AS FILED – PART I</b>                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                  |       |                                    |               |                                                  |                |                               |                |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 | (Column 2)                       |       | SMALL ENTITY                       |               | OR<br>OTHER THAN SMALL ENTITY                    |                |                               |                |
| FOR                                                                                                                                                                                                                                                                                                                                                                                                                                  | NUMBER FILED                                                    | NUMBER EXTRA                     |       | RATE                               | FEE           | RATE                                             | FEE            |                               |                |
| BASIC FEE<br>(37 CFR 1.16(a))                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 |                                  |       |                                    | \$            |                                                  | \$             |                               |                |
| TOTAL CLAIMS<br>(37 CFR 1.16(c))                                                                                                                                                                                                                                                                                                                                                                                                     | <b>2</b>                                                        | minus 20 = *                     |       | X \$                               |               | X \$                                             |                |                               |                |
| INDEPENDENT CLAIMS<br>(37 CFR 1.16(b))                                                                                                                                                                                                                                                                                                                                                                                               | <b>1</b>                                                        | minus 3 = *                      |       | X \$                               |               | X \$                                             |                |                               |                |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))                                                                                                                                                                                                                                                                                                                                                                                    |                                                                 |                                  |       | +                                  | \$            | +                                                | \$             |                               |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                  |       | TOTAL                              |               | TOTAL                                            |                |                               |                |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                  |       |                                    |               |                                                  |                |                               |                |
| <b>CLAIMS AS AMENDED – PART II</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |                                  |       |                                    |               |                                                  |                |                               |                |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 | (Column 2)                       |       | (Column 3)                         |               | SMALL ENTITY                                     |                | OR<br>OTHER THAN SMALL ENTITY |                |
| AMENDMENT A                                                                                                                                                                                                                                                                                                                                                                                                                          | 9/17                                                            | CLAIMS REMAINING AFTER AMENDMENT |       | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE                                             | ADDITIONAL FEE | RATE                          | ADDITIONAL FEE |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | Total<br>(37 CFR 1.16(c))                                       | *                                | Minus | **                                 | =             | X \$                                             |                | X \$                          |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | Independent<br>(37 CFR 1.16(b))                                 | *                                | Minus | ***                                | =             | X \$                                             |                | X \$                          |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) |                                  |       |                                    |               | +                                                | \$             | +                             | \$             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                  |       |                                    |               | TOTAL ADD'L FEE                                  |                | TOTAL ADD'L FEE               |                |
| AMENDMENT B                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 | CLAIMS REMAINING AFTER AMENDMENT |       | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE                                             | ADDITIONAL FEE | RATE                          | ADDITIONAL FEE |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | Total<br>(37 CFR 1.16(c))                                       | *                                | Minus | **                                 | =             | X \$                                             |                | X \$                          |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | Independent<br>(37 CFR 1.16(b))                                 | *                                | Minus | ***                                | =             | X \$                                             |                | X \$                          |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) |                                  |       |                                    |               | +                                                | \$             | +                             | \$             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                  |       |                                    |               | TOTAL ADD'L FEE                                  |                | TOTAL ADD'L FEE               |                |
| AMENDMENT C                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 | CLAIMS REMAINING AFTER AMENDMENT |       | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE                                             | ADDITIONAL FEE | RATE                          | ADDITIONAL FEE |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | Total<br>(37 CFR 1.16(c))                                       | *                                | Minus | **                                 | =             | X \$                                             |                | X \$                          |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | Independent<br>(37 CFR 1.16(b))                                 | *                                | Minus | ***                                | =             | X \$                                             |                | X \$                          |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) |                                  |       |                                    |               | +                                                | \$             | +                             | \$             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |                                  |       |                                    |               | TOTAL ADD'L FEE                                  |                | TOTAL ADD'L FEE               |                |
| <p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.</p> <p>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</p> <p>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".</p> <p>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p> |                                                                 |                                  |       |                                    |               |                                                  |                |                               |                |

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Joan Maria BOIXADERA FERRER

SERIAL NO: 09/762,297

GAU:

FILED: March 27, 2001

EXAMINER:

FOR: DESIGN FOR ELECTRONIC COMPONENT PATTERNS OVER 400 MICRON LAYERS ON PRINTED CIRCUITS

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references cited in the attached International Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number ~~XXXXXXXXXX~~. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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MAIER & NEUSTADT, P.C.

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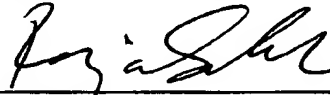
AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Application No. 09/762,297

Attorney Docket No.: Q82685

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: September 7, 2004

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

*Complete if Known*

|                        |                             |
|------------------------|-----------------------------|
| Application Number     | 09/762,297                  |
| Confirmation Number    | 4777                        |
| Filing Date            | March 26, 2001              |
| First Named Inventor   | Joan Maria BOIXADERA FERRER |
| Art Unit               | 2827                        |
| Examiner Name          | Ishwarbhai B. PATEL         |
| Attorney Docket Number | Q82685                      |

Sheet

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of

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**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|-------------------------------------------------|
|                    |                       | Number          | Kind Code <sup>3</sup><br>(if known) |                                |                                                 |
|                    |                       | US              |                                      |                                |                                                 |
|                    |                       | US              |                                      |                                |                                                 |
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|                    |                       | US              |                                      |                                |                                                 |
|                    |                       | US              |                                      |                                |                                                 |
|                    |                       | US              |                                      |                                |                                                 |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   |                     |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation <sup>4</sup> |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|-------------------------------------------------|--------------------------|
|                    |                       | Country Code <sup>2</sup> | Number <sup>4</sup> | Kind Code <sup>3</sup><br>(if known) |                                |                                                 |                          |
|                    |                       | DE                        | 33 28 342           | A1                                   | 01-03-1985                     | ROBERT BOSCH GMBH                               |                          |
|                    |                       |                           |                     |                                      |                                |                                                 |                          |
|                    |                       |                           |                     |                                      |                                |                                                 |                          |
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|                    |                       |                           |                     |                                      |                                |                                                 |                          |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation <sup>4</sup> |
|--------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|                    |                       | Patent Abstracts of Japan, JP 62-134194 A (MITSUBISHI ELECTRIC CORP), June 17, 1987                                                                                                                                                                              |                          |
|                    |                       |                                                                                                                                                                                                                                                                  |                          |
|                    |                       |                                                                                                                                                                                                                                                                  |                          |
|                    |                       |                                                                                                                                                                                                                                                                  |                          |
|                    |                       |                                                                                                                                                                                                                                                                  |                          |

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.